Missile Approach Warning System (MAWS) ■ EL/M-2160(V1)

General

The EL/M-2160(V1) is a radar-based airborne Missile Approach Warning System (MAWS) that reliably warns on an incoming missile attack, allowing timely activation of countermeasures to increase the platform's survivability.

The countermeasures, such as chaff and flares (C/F), are ejected by an advanced C/F Dispenser for diverting the threat missile from its track and protecting the platform against a hit by the missile.
The EL/M-2160(V1) is a fully solid state Pulse Doppler Radar that provides accurate calculated time to impact and measurement of incoming missile's direction. This data enables effective response for protecting the airborne platform.

The EL/M-2160(V1) is a field-proven system installed onboard Military Airlift, VIP Aircraft, Helicopters, Special Mission Aircraft and Commercial Aircraft.

The MAWS can be integrated into various Self Protection Suites, including RWR and/or Electro-Optical subsystems.

The Self Protection System (SPS) with ELTA's MAWS was tested in Test Fields and in real operational missions. During those tests, various types of live rockets and missiles were fired toward the system and no hit or damage was ever reported by any of the aircraft protected by the system.

Features

- Detection of any approaching missile type in boost, sustain and post burnout stages
- All-weather capability
- Performance - over the whole flight envelope
- 360° coverage
- Very low false alarm rate
- Accurate time to impact indication and optimal timing of chaff/flare release for effective missile deception
- Short reaction time
- Extensive BIT and fault isolation capability

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System Configuration

- Transceiver Processing Unit (TPU)
- Control panel (option)
- 6 antennas. Variety of antenna types available
- Interface capability: 1553B, PPD, RS-422, RS-232, and/or discrete lines for integration with other onboard systems of the self-protection suite

Physical Characteristics

Weight:	22 Kg (TPU)
Dimensions (TPU):	307 x 239 x 381 mm
Power consumption:	350 W

Helicopter Self-Defense System: MAWS + Chaff / Flares

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